Peak hour shortage of electricity

†1422. DR. MURLI **MANOHAR** JOSHI:

SHRI RAVI SHANKAR PRASAD:

Will the Minister of POWER be pleased to state:

(a) whether it is a fact that the shortage of electricity in the peak hour is estimated to exceed in comparison to the degree of shortage at present in the States of Bihar, Uttar Pradesh, Delhi, Maharashtra, Rajasthan etc. of the country from 31 March, 2007 onward after the start of Eleventh Five Year Plan period;

(b) if not, the facts in this regard; and

(c) the quantum of shortage of electricity in the peak hour in the above said States on the basis of demand?

THE MINISTER OF POWER (SHRI SUSHIL KUMAR SHINDE): (a) No, Sir.

(b) The power supply position would improve in the 11th Plan due to anticipated capacity addition of about 17,115 MW during the year 2006-07, 5,294 MW during 2007-08 and 8,520 MW during 2008-09 as well as increase in power trading, establishment of national grid for transfer of power from surplus to deficit regions and import of power from Tala Hydro Power Station (Bhutan).

(c) Shortages of electricity in peak hours in the states of Bihar, Uttar Pradesh, Delhi, Maharashtra and Rajasthan during April to June, 2006 were 23.7%, 21.1%, 2.8% 24.6% and 9.9% respectively.

Electricity generation in the country

†1423. SHRI T.R. ZELIANG:
SHRI AJAY MAROO:

Will the Minister of POWER be pleased to state:

(a) the total quantum of electricity being generated at present in the country, State-wise;

(b) the target set for increasing the quantum of electricity generation in the financial year 2006-07, State-wise; and

(c) the details of such new projects for electricity generation on which work is in progress and by when those projects are likely to be completed, State-wise?

† Original notice of the question was received in Hindi.

THE MINISTER OF POWER (SHRI SUSHIL KUMAR SHINDE): (a) and (b) State-wise details of the quantum of electricity generated during the current year (April-July, 2006) and the target set for 2006-07 are enclosed as Statement-I *(See* below).

(c) The State-wise details of ongoing power projects in the country indicating their anticipated commissioning schedule are enclosed Statement-Il

Statement-I

State-wise details of the quantum of electricity generated during the Current year (April—July, 2006) and the generation target set for 2006-07

State	Actual Generation* from Apr'06 to July'06(MU)	Generation Target for 2006-07
Delhi	3622.05	10950
Haryana	4324.52	13320
Himachal Pradesh	8484.23	18380
Jammu & Kashmir	3307.02	7898
Punjab	8896.12	25316
Rajasthan	8375 08	26490
Uttar Pradesh	25909.68	80346
Uttaranchal	2039.54	7062
Chhattisgarh	8125.25	25655
Goa	123.53	300
Gujarat	18373.36	59655
Madhya Pradesh	11663.32	38126
Maharashtra	24255.35	78151
Andhra Pradesh	21667.33	68839
Karnataka	9601.77	26673
Kerala	3158.48	8147
Lakshadweep	9.46	25
Pondicherry	90.26	260
Tamil Nadu	17857.69	52722
A & N Island	53.61	140
Bihar	2076.96	7902
Jharkhand	3342.52	11812
Orissa	12626.45	35701
Sikkim	108.4	396
West Bengal	15095.26	46038

1	2	3
Arunachal Pradesh	560.85	1530
Assam	121349	4041
Manipur	14333	454
Meghalaya	200.32	933
Mizoram	0.7	5
Nagaland	61.82	443
Tripura	386.3	1240
Bhutan Imp.	752.83	4050
All India Total	216506.95	663000

*The generation figures included for July, 2006 are provisional,

Statement-ll

Hydro-electric projects-under execution in the country

Si. No.	Name of Scheme	State	MW	Likely Commissioning	Beneficiary States
1	2	3	4	5	6
		2006-07			
1	Dullhasti (Central)	J&K	390	12/06, 1/07, 2/07	NR States
2	Tehri St. I (Central)	Uttaranchal	750	7/06,8/06,9/06	NR States
3	Teesta St. V (Central)#	Sikkim	510	2/07/, 3/07, 3/07	ER States
4	Larji (State)	H.P.	126	6/06, 6/06, 7/06	H.P.
5	Maneri Bhali-ll(State)	Uttaranachal	304	12/06, 1/07, 2/07, 3/07	Uttaranchal
6	Madhikheda (State)	M.P.	40	7/06, 8/06	M.P.
7	Bansagar Tons PH IV (State)	M.P.	20	7/06, 8/06	M.P.
8	Ghatghar PSS (State)	Man.	250	1/07, 3/07	Mah.
9	Priyadarshni Jurala (State)	A.P.	39	3/07	A.P.
10	Vishnu Prayag	Uttaranchal	200	8/06, 10/06	Uttaranchal
11	Kuttiyadi Addl. Ext. (State)#	Kerala	100	2/07, 3/07	Kerala
12	Bhawani Barrage I (State)	T.N.	30	6706, 7/06	T.N.
13	Purulia PSS (State)	W.B.	225	2/07	W.B.
14	Karbi Langpi (State)	Assam	100	12/06,2/07	Assam
15	Balimela Extn. (State)	Orissa	150	2/07, 3/07	Orissa
		Total	3234		

#Best effort schedule

2007-08

1	2	3	4	5	6
1	Teesta Low Dam-Ill	W.B.	132	1/08, 2/08, 3/08	W.B.
2	Sewa-ll (Central)	J&K	120	7/07, 8/07, 9/07	NR States
3	Baglihar-I (State)	J&K	450	10/07, 11/07, 12/07	J&K
4	Omkarashwar (Central)	M.P.	520	07/07 to 10/07	M.P.
5	Priyadarshni Jurala (State)	A.P.	195	2007-08	A.P.
6	Purulia PSS (State)	W.B.	675	6/07/9/07, 12/07	W.B.
		Total	2092		
		2008-09			
1	Koteshwar (Central)	Uttaranchal	400	12/08, 1/09, 2/09 3/09	NR States
2	Kol Dam (Central)	HP.	800	11/08, 1/09,3/09 4/09	NR States
3	Uhl-lll (State)	HP.	100	2008-09	HP.
4	Varahi Extn. (State)	Ktk	230	2008-09	Ktk.
5	Myntdu (State)	Meghalaya	84	2008-09	Meghalaya
6	Budhil	HP.	70	2008-09	HP.
7	Malanap-ll	H.P.	100	2008-09	HP.
8	Chujachen	Sikkim	99	2008-09	Sikkim
		Total	1883		
		2009-10			
1	Parbati St. II (Central)	HP.	800	6/09, 7/09, 8/09, 9/09	NR States
2	Uri-ll (Central)	J&K	240	8/09,9/09,10/09, 11/09	NR States
3	Nagarjuna Sagar TR (State)	A.P.	50	2009-10	A.P.
4	Athirapalli(State)	Kerala	163	2009-10	Kerala
5	Bhawani Barrage II (State)	T.N.	30	2009-10	T.N.
6	Bhawani Barrage III (State)	T.N.	30	2009-10	T.N.
7	Teesta Low Dam-IV	W.B.	160	2009-10	W.B.
		Total	1473		
		2010-11			
1	Chamera-lll (Central)	HP.	231	4/10,6/10,8/10	NR States
2	Parabati-III (Central)	HP.	520	8/10,9/10,10/10, 11/10	NR States
3	Subansiri Lower (Central)	Ar.Pr.	2000	4/10 to 9/10	Yet to be decided
4	Kameng (Central)	Ar.Pr.	600	2010-11	Yet to be decided
5	Allain Duhangan	H.P.	192	2010-11	HP.
6	Karcham Wangtoo	H.P.	1000	2010-11	HP.
		Total	4543		
			13225		

#BEST EFFORT SCHEDULE

THERMAL POWER PROJECTS INCLUDING NUCLEAR POWER PROJECTS PRESENTLY UNDER CONSTRUCTION IN THE COUNTRY

SI. No.	Name of Project	Unit No.	State	Cap (MW)	Comm.Sch.	Beneficiary states
1	2	3	4	5	6	7
		2006-07				
THERMAL						
1	Vindhyachal TPS-III	U-10	Madhya Pradesh	500	Mar-07	WR States
2	Unchahar TPS-III	U-5	Uttar Pradesh	210	Jul-06	NR States

1	2	3	4	5	6	7
3	Sipat STPS-II	U-4	Chhattis.	500	Feb-07	WR States
4	Sipat STPS-II	U-5	Chhattis.	500	Mar-07#	WR States
5	Guru Har gobind TPS-II	U-1	Punjab	250	Jan-07	Punjab
6	Guru Har Gobind TPS-II	U-2	Punjab	250	Mar-07	Punjab
7	Giral TPP	U-1	Rajasthan	125	Sep-06	Rajasthan
8	Dholpur CCPP (Ph-I)	GT-1	Rajasthan	110	Feb-07	Rajasthan
9	Dholpur CCPP (ph-l)	GT-2	Rajasthan	110	Mar-07	Rajasthan
4	Dholpur CCPP (Ph-I)	ST	Rajasthan	110	Nov-07	Rajasthan
10	Kahalgaon STPS-II (Ph-I)	U-5	Bihar	500	Nov-06	Inter Regions States
11	Kahalgaon STPS-II (Ph-I)	U-6	Bihar	500	Mar-07	Inter Regions States
12	Kahalgaon STPS-II (Ph-ll)	U-7	Bihar	500	Mar-07	Inter Regions States
13	Mejia TPS	U-5	WB	250	Jan-07	DVC
14	MejiaTPS	U-6	WB	250	Mar-07	DVC
15	Chandarpura TPS Extn.	U-7	Jharkhand	250	Mar-07@	DVC
16	Chandarpura TPS Extn.	U-8	Jharkhand	250	Mar-07@	DVC
17	Parichha TPS Extn.	U-4	UP	210	Sep-06	UP
18	Korba East TPP St-V	U-1	Chhattis.	250	Jan-07	Chhattis.
19	Korba East TPP St-V	U-2	Chhattis.	250	Mar-07#	Chhattis.
7	Amarkantak TPP	U-5	MP	210	Jun-07	MP
20	Dhuvaran CCPP Extn.	ST	Gujarat	40	Sep-06	Gujarat
21	Kutch Lignite Extn.	U-4	Gujarat	75	Nov-06	Gujarat
22	New Parli TPS	U-1	Mah.	250	Aug-06	Mah.
23	Paras TPS Expn.	U-1	Man.	250	Jan-07	Mah.
24	Birsingpur TPS Extn. St-	U-5	MP	500	Sep-06	MP
25	Rayalaseema TPS-II	U-3	AP	210	Sep-06	AP
26	Ravalaseema TPS-II	U-4	AP	210	Dec-06	AP
27	OP Jindal TPP Ph.I	U-1	Chhattis.	250	Mar-07	Chhattis.
28	Bellary TPP	U-1	Karnataka	500	Dec-06	Karnataka
29	Santaldih TPP	U-1	WB	250	Mar-07	WB
30	Sagardighi TPP	U-1	WB	300	Jan-07	WB
31	Sagardighi TPP	U-2	WB	300	Mar-07	WB
32	Durgapur TPS Extn.	U-7	WB	300	Jan-07	WB
33	Bakreshwar TPS Extn.	U-4	WB	210	Mar-07	WB
34	Sugen CCPP	Block-I	Gujarat	365	Mar-07	Gujarat
35	Dabhol CCPP-II	GTs+STs	Mah.	704	Nov-07	Mah.
36	Dimapur DGPP	DG-1 to 4	Nagaland	23	Uncertain®	Nagaland
37	Gautami CCPP	GT-1	AP	145	Jul-06	AP
38	Gautami CCPP	GT-2	AP	145	Jul-06	AP
39	Gautami CCPP	ST	AP	174	Sep-06	AP
40	Konaseema CCPP	GT-1	AP	140	Jul-06	AP
41	Konaseema CCPP	GT-2	AP	140	Jul-06	AP
42	Konaseema CCPP	ST	AP	165	Sep-06	AP
		Total		11731		
NUCLEAR						
1	Kaiga APP	U-3	Karnataka	220	Mar-07	SR States
		Total	220			

1	2	3	4	5	6	7
			2007-08			
THERMAL						
1	Bhilai TPP	U-1	Chhattisgarh	250	Feb-08	WR States
2	Bhilai TPP	U-2	Chhattisgarh	250	Aug-08	WR States
3	Sipat STPP St.I	U-1	Chhattisgarh	660	Oct-07	WR States
5	Yamunanagar TPP	U-1	Haryana	300	Oct-07	Haryana
6	Yamunanagar TPP	U-2	Haryana	300	Jan-08	Haryana
8	Bakreshwar TPS Extn.	U-5	WB	210	Jan-07	WB
9	OP Jindal TPP Ph.I	U-2	Chhattis	250	Jul-07	Chhattis.
10	OP Jindal TPP Ph.II	U-3	Chhattis.	250	Oct-07	Chhattis.
11	OP Jindal TPP Ph.II	U-4	Chhattis.	250	Jul-07	Chhattis.
12	Sugen CCPP	Block-ll	Gujarat	376	Jun-07	Gujarat
13	Sugen CCPP	Block-Ill	Gujarat	376	Sep-07	Gujarat
			Total	3472		
NUCLEAR						
1	Kaiga APP	U-4	Karnataka	220	Sep-07	SR States
2	Rajasthan APP	U-5	Rajasthan	220	Oct-07	NR States
3	Rajasthan APP	U-6	Rajasthan	220	Feb-08	NR States
4	Koodankulam APP	U-1	TN	1000	Dec-07	SR States
			Total	1660		
			2008-09			
THERMAL						
1	Sipat STPP St-1	U-2	Chhattisgarh	660	Apr-08	WR States
2	Sipat STPP St-1	U-3	Chhattisgarh	660	Oct-08	WR States
3	Barh STPP	U-1	Bihar	660	Mar-09	Inter Regions Stales
4	Neyveli TPS-II Exp.	U-1	Tamil Nadu	250	Oct-2009	SR States
3	Neyveli TPS-II Exp.	U-2	Tamil Nadu	250	Feb-2009	SR States
5	Barsingsar Lignite TPP	U-1	Rajasthan	125	Jun-2008	Rajasthan
5	Barsingsar Lignite TPP	U-2	Rajasthan	125	Oct-08	Rajasthan
7	Vijyawada TPP St. IV	U-1	AP	500	Aug-08	AP
	Kakatiya (Bhopalapally)	U-2	AP	500	Aug. 2008	AP
8	Lanco Amarkantak (Pathadi) Mega TPS	U-1	Chhattisgarh	300	Sep-08	Chhattisgarh
9	Surat Lignite TPP Extn.	U-3,4	Gujarat	250	Nov, 08 &Mar,09	125 Gujarat
10	Giral Lignite St-ll	U-2	Rajasthan	Dec-08		Rajasthan
11	Chhabra TPS	U-1	Rajasthan	250	Dec-08	Rajasthan
12	Chhabra TPS	U-2	Rajasthan	250	Mar-09	Rajasthan
13	Kota u-7	u-7	Rajasthan	195	Oct-08	Rajasthan
14	Suratgarh ext	u-6	Rajasthan	250	Oct-08	Rajasthan
8	Trombay ext. 15 Lakwa Wh		Maharashtra	250 37	Jan-09	Maharashtra
			Total	5637		
NUCLEAR						
1	KOODANKULAM APP	U-2	TN	1000	Dec-08	SR States
			Total	1000		

1	2	3	4	5	6	7
			2009-10 & 2010-11			
THERMAL						
1	Barh STPP	U-2	Bihar	660	Jan-10	Inter Regions States
2	Barh STPP	U-2	Bihar	660	Nov-10	Inter Regions States
4	Korba STPP	U-7	Chhattisgarh	500	May-09	WR States
6	Parichha Ext.		UP	500	39 months	UP
7	Harduaganj ext		UP	500	41 months	UP
			Total	2820		
			Grand Total	26540		
			THERMAL	23660		
			NUCLEAR	2880		

BEST EFFORT SCHEDULE @ Slipping to 11th Plan.

LOA: Letter of Award
LOI: Letter of Intent
FC : Financial Cloture
NR States - Northern Region States
WR States- Western Region States
SR States - Southern Region States
ER States - Eastern Region States
NER States - North-Eastem Region States

Non-achievement of power generation capacity Addition in Tenth Five Year Plan

†1424. SHRI DATTA MEGHE:
PROF. AUKA BALRAM KSHATRIYA:

Will the Minister of POWER be pleased to state:

(a) whether it is a fact that the target of increasing power capacity could not be achieved in the Tenth Five Year Plan;

(b) if so, the reasons therefor;

(c) the target fixed for Tenth Five Year Plan and to what extent it has been achieved; and

(d) the schemes made by Government on the basis of these reasons so that targets of Ninth and Tenth Five Year Plan can be easily achieved?

THE MINISTER OF POWER (SHRl SUSHIL KUMAR SHINDE): (a) to (c) A capacity addition target of 36,996 MW was considered feasible during the Mid Term Appraisal of 10th Plan. Out of this a capacity Of 16,909 MW has already been commissioned and a capacity of 17,115 MW is scheduled during 2006-07 and of this, a capacity of about 3300 MW is under best effort scenario.

† Original notice of the question was received in Hindi.